



AMENDMENT

Please amend the claims as follows:

B1
1 Claim ~~22~~ (amended). A method of manufacturing a lead acid electrochemical cell,
2 comprising: preparing an unsulfated electrochemically active material to which has been added
3 an oxide of lead and [including a compound selected from the group consisting of tin, antimony,
4 arsenic, germanium, indium, selenium, gallium, tellurium and other semiconductors] a
5 semiconductor; coating said electrochemically active material onto a first electrode of a first
6 polarity; arranging said first electrode adjacent to a second electrode of a polarity opposite the
7 first electrode[s], the first electrode and second electrode being separated by a separator; and
8 containing said first electrode, second electrode and separator in a container.

1 Claim ~~23~~ (amended). The method of claim ~~22~~, wherein said [compound is]
2 semiconductor contains tin and is selected from the group consisting of SnSO₄, SnO, metallic tin,
3 a tin(II) salt and a tin(IV) salt.

1 Claim ~~24~~ (amended). The method of claim ~~23~~, wherein said [compound] semiconductor
2 includes SnSO₄.

B2
[*Please add the following new claim:*

10
Claim ~~43~~ (new). The method of claim ~~22~~, wherein said semiconductor is selected from
the group consisting of tin, antimony, arsenic, germanium, indium, selenium, gallium, tellurium
and combinations thereof.